

ABSTRACT

This invention relates to a technique for removing nitrogen oxides (NO_x) present in exhaust gases discharged from boilers and the like. When the temperature of the exhaust gas is 100°C or below, a heat-treated active carbon produced by heat-treating a raw active carbon at 600 to $1,200^\circ\text{C}$ in a non-oxidizing atmosphere so as to remove oxygen-containing functional groups present at the surfaces thereof and thereby reduce the atomic surface oxygen/surface carbon ratio to 0.05 or less is preferably used. When the temperature of the exhaust gas exceeds 100°C , a heat-treated active carbon produced by heat-treating a raw active carbon at 600 to $1,200^\circ\text{C}$ in a non-oxidizing atmosphere and activating the surfaces thereof with sulfuric acid or nitric acid to impart oxidizing oxygen-containing functional groups thereto is preferably used.